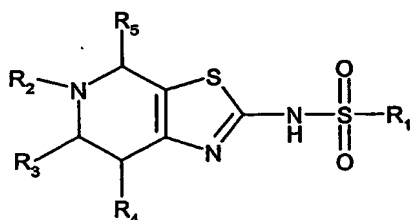


# Patent claims

1. The use of N-(4,5,6,7-tetrahydro-thiazolo-[5,4-c]pyridin-2-yl)-(C<sub>6-18</sub>)arylsulfonamides, wherein the nitrogen atom of the pyridine is substituted, and wherein the pyridine ring is optionally bridged, in the preparation of a medicament for the treatment of a disorder mediated by the action of steroid sulfatase.
2. The use of claim 1, wherein an N-(4,5,6,7-tetrahydro-thiazolo-[5,4-c]pyridin-2-yl)-(C<sub>6-18</sub>)arylsulfonamide is a compound of formula



wherein

R<sub>1</sub> is unsubstituted (C<sub>6-18</sub>)aryl, or (C<sub>6-18</sub>)aryl substituted by aminocarbonyl, halogen or halo(C<sub>1-6</sub>)alkyl,

R<sub>2</sub> is (C<sub>1-12</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>3-6</sub>)cycloalkyl(C<sub>1-6</sub>)alkylcarbonyl or unsubstituted (C<sub>6-18</sub>)aryl, or (C<sub>6-18</sub>)aryl substituted by aminocarbonyl, halogen or halo(C<sub>1-6</sub>)alkyl, and

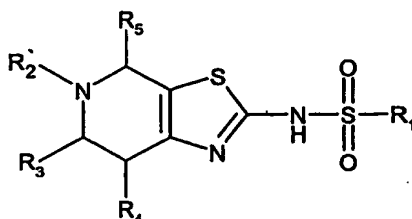
EITHER

- R<sub>3</sub>, R<sub>4</sub> and R<sub>5</sub> are hydrogen

OR

- R<sub>3</sub> and R<sub>5</sub> together are (C<sub>1-4</sub>)alkylene and R<sub>4</sub> is hydrogen.

3. A compound of formula



wherein

- 25 -

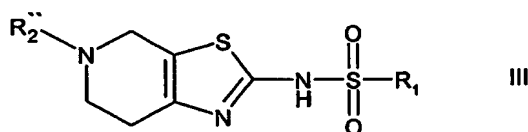
$R_1$  is unsubstituted (C<sub>6-18</sub>)aryl, or (C<sub>6-18</sub>)aryl substituted by aminocarbonyl, halogen or halo(C<sub>1-6</sub>)alkyl,

$R_2$  is (C<sub>1-12</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>3-6</sub>)cycloalkyl(C<sub>1-6</sub>)alkylcarbonyl or unsubstituted (C<sub>6-18</sub>)aryl, or (C<sub>6-18</sub>)aryl substituted by aminocarbonyl, halogen or halo(C<sub>1-6</sub>)alkyl,

$R_3$  and  $R_5$  together are (C<sub>1-4</sub>)alkylene, and

$R_4$  is hydrogen.

4. A compound of formula



wherein

$R_1$  is unsubstituted (C<sub>6-18</sub>)aryl, or (C<sub>6-18</sub>)aryl substituted by aminocarbonyl, halogen or halo(C<sub>1-6</sub>)alkyl, and

$R_2$  is (C<sub>1-12</sub>)alkoxycarbonyl, (C<sub>3-6</sub>)cycloalkyl(C<sub>1-6</sub>)alkylcarbonyl, unsubstituted (C<sub>6-18</sub>)aryl, or (C<sub>6-18</sub>)aryl substituted by aminocarbonyl, halogen or halo(C<sub>1-6</sub>)alkyl.

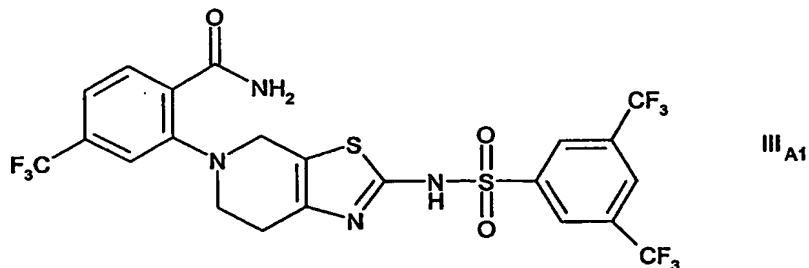
5. A compound of formula II, which is

N-(3-thia-5,11-diaza-tricyclo[6.2.1.0\*2,6\*]undeca-2(6),4-dien-4-yl)-benzenesulfonamide, or a compound of formula III, which is selected from the group consisting of

- 2-[2-(3,5-Bis-trifluoromethyl-benzenesulfonylamino)-6,7-dihydro-4H-thiazolo[5,4-c]pyridin-5-yl]-4-trifluoromethyl-benzamide,
- 2-[2-(2,3-Dichloro-benzenesulfonylamino)-6,7-dihydro-4H-thiazolo[5,4-c]pyridin-5-yl]-4-trifluoromethyl-benzamide,
- 2-[2-(3,5-Dichloro-benzenesulfonylamino)-6,7-dihydro-4H-thiazolo[5,4-c]pyridin-5-yl]-4-trifluoromethyl-benzamide,
- 2-(3,5-Bis-trifluoromethyl-benzenesulfonamino)-6,7-dihydro-4H-thiazolo[5,4-c]pyridine-5-carboxylic acid tert-butyl ester,
- 2-(2,3-Dichloro-benzenesulfonamino)-6,7-dihydro-4H-thiazolo[5,4-c]pyridine-5-carboxylic acid tert-butyl ester,
- 2-(3,5-Dichloro-benzenesulfonamino)-6,7-dihydro-4H-thiazolo[5,4-c]pyridine-5-carboxylic acid tert-butyl ester, and

- N-[5-(2-Cyclopentyl-acetyl)-4,5,6,7-tetrahydro-thiazolo[5,4-c]pyridin-2-yl]-3,5-bis-trifluoro-methyl-benzenesulfonamide.

6. A compound according to any one of claims 4 or 5 of formula



5

7. A compound of any one of claims 3 to 6 in the form of a salt.
8. A compound of any one of claims 3 to 7 for use as a pharmaceutical.

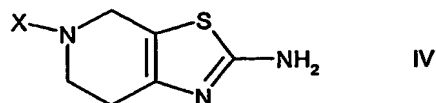
10

9. A pharmaceutical composition comprising a pharmaceutically effective amount of at least one compound of any one of claims 3 to 7 in association with at least one pharmaceutically acceptable excipient.

- 15 10. A method of treating disorders mediated by the action of steroid sulfatase comprising administering a therapeutically effective amount of an N-(4,5,6,7-tetrahydro-thiazolo-[5,4-c]pyridin-2-yl)-(C<sub>6-18</sub>)arylsulfonamide, wherein the nitrogen atom of the pyridine is substituted, and wherein the pyridine ring is optionally bridged, to a subject in need of such treatment.

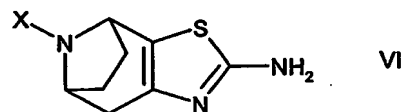
20

11. A compound of formula

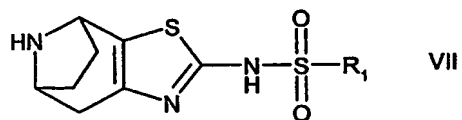


wherein X has the meaning of R<sub>2</sub><sup>''</sup> in claim 4, or  
a compound of formula

- 27 -



wherein X has the meaning of  $R_2'$  as defined in claim 3, or  
a compound of formula



5      wherein  $R_1$  is as defined in claim 2.